

BEN HANSEN / CURRICULUM VITAE

arb, dip.arch, m.arch, bsc hons



Ben holds a B.Sc in Architectural studies with honours from the Welsh School of Architecture at Cardiff University. Following a year in London he returned to the WSA to complete his M.Arch with a design thesis exploring plug-and-play architecture and placemaking in an urban context. His wider research centers on adaptive reuse and evolutionary urbanism. This led to his masters research thesis "Constructive Deconstruction" (2011) exploring urban policy responses to the shrinking, post-industrial city in Detroit, Leipzig and Manchester. He gained his professional license (ARB) at London Metropolitan University in 2014, and joined the Berliner Architektenkammer in 2019.

From 2009 - 2014 Ben worked with Pollard Thomas Edwards in London on large-scale residential, masterplanning and schools projects and community consultation. He then joined Roz Barr Architects before moving to Berlin in 2015 to take up a role with Sauerbruch Hutton Architects. Here his built projects included the M9 Museum of Modern Art in Mestre, and Urban Design Quarter in Hamburg, currently the world's largest residential building in modular prefabricated timber.

Following up on research in Marseilles and Lisbon (2017) he spent several months participating in a study of urban inequality in São Paulo with funding from the Harvard-Brazil Cities Research Grant Program, before joining CRA as Project Manager in fall 2018. While at CRA he managed the New York office and led large-scale international projects including the National Library of Taiwan in collaboration with Bio-Architecture Formosana, and the competition for the Powerhouse Museum in Sydney, in collaboration with BVN.

## PERSONAL

Name	Ben Hansen
Date of Birth	28.01.87
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Portfolio	issuu.com/ben.hansen87/docs/2018



## EDUCATION

2019	Architektenkammer Berlin Germal Professional Registration (Dual Registration)
2019	Boot Camp Soft Skills Management Course Modules: Effective Briefing, Effective Feedback, Powerful Questioning, Team Leadership, Negotiation, Leadership & Delegation, Performance Assessment
2014	London Metropolitan University RIBA Part III Professional Diploma
2013	CITB construction skills Health, safety and environment test: for managers and professionals
2009 -2011	Welsh School of Architecture, Cardiff University Master of Architecture, Commendation
2006 - 2009	Welsh School of Architecture, Cardiff University Bachelor of Science in Architectural Studies, II(i) Hons
1999 - 2005	Colaiste Iognaid, Galway, Ireland Irish Leaving Certificate Art (A), Physics (A), Maths (A), English (A), German (A), Geography (B)

## SOFTWARE

CAD	AutoCAD • Microstation • Vectorworks • Rhino • Sketchup
BIM	Revit • AECOSim
Render	V-Ray • Maxwell
Adobe	Photoshop • Illustrator • InDesign
Office	Word • Excel • Powerpoint

## LANGUAGES

English (mother tongue) • German (C1 / working proficiency)

## PROFESSIONAL EXPERIENCE

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- 2018 - 2019 Carlo Ratti Associati, Turin, Italy / New York, USA  
Project Manager / Senior Architect  
*Design and management role leading a team on large scale international projects. Extensive travel and coordination between multiple time-zones. Responsibilities include point of contact with the client and design team, budget and resourcing allocation and sign off on expenditures of up to €100k.*
- Powerhouse Museum, Sydney - competition in collaboration with BVN, \$400mAUD, 25,000sqm
  - Taiwan National Library, Southern Branch, Tainan - SD & DD in collaboration with Bio-Architecture Formosana, €74m, 57,100sqm, WAF 2019, shortlist
- 2015 - 2018 Sauerbruch Hutton Architects, Berlin, Germany  
Senior Architect / *Collaborated on a number of large scale international projects across competition, schematic and detail design phases through to detail construction documentation.*
- Berlin Metropolitan School - renovation and extension, LP 3-5, 3,650sqm
  - Universal Design Quarter, Hamburg - student housing, LP 2-4, 13,500sqm, WohnbauPreis Hamburg 2017, Deutscher Holzbaupreis 2019
  - M9 Museum of Modern Art, Mestre - LP 3, €110m, 25,600sqm, Mies van der Rohe Award 2019, shortlist
- 2014 Roz Barr Architects, London, UK  
Project Architect / *Leading design and coordination on small scale residential projects in London, point of contact with client and supervision of works on-site.*
- Upper Wimpole St, Marylebone, London. - residential, workstage C-E
  - Lower Marsh St, Waterloo, London - residential, workstage A-B
- 2011 - 2014 Pollard Thomas Edwards Architects, London, UK  
Architect / Part II Architectural Assistant
- Aylesbury Estate, Elephant and Castle, London - Residential and Masterplan, workstage C-D, £28.5m, 147 homes, 0.88ha
  - Dover Court - residential, infill housing & regeneration including extensive local consultation, workstage A-D, £11m, 70 homes, 0.3ha
  - St Lukes Muswell Hill, Islington, London - residential and masterplan, workstage C-E, £36m, 2.38ha, 159 homes
- 2009 - 2010 Pollard Thomas Edwards Architects, London, UK  
Part I Architectural Assistant
- Packington Estate, Islington, London - residential and masterplan, workstage D-F, £132m, 5.6ha, 791 homes

## RESEARCH / PUBLICATIONS / FREELANCE

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- 08.2018 Fortress São Paulo: An Atlas of Division  
2018 Harvard-Brazil Cities Research Grant Program, Research Assistant
- 07.2018 Sound Recording Studio, Brighton  
Drawings for a Private Client
- 02.2018 Sea to Sky Exhibition, National University of Ireland, Galway  
Collaboration with the National University of Ireland, Galway on a successful bid for EU Structural and Investment funding
- 09.2011 Blueprint Magazine, UK  
Thesis design project featured in 'Best of the Student Shows' 2011
- 2009 - 2010 Constructive Deconstruction  
Urban Policy Responses to the Shrinking City in Detroit, Leipzig and Manchester  
Dissertation submitted as part of the M.Arch degree at the WSA

## VOLUNTARY

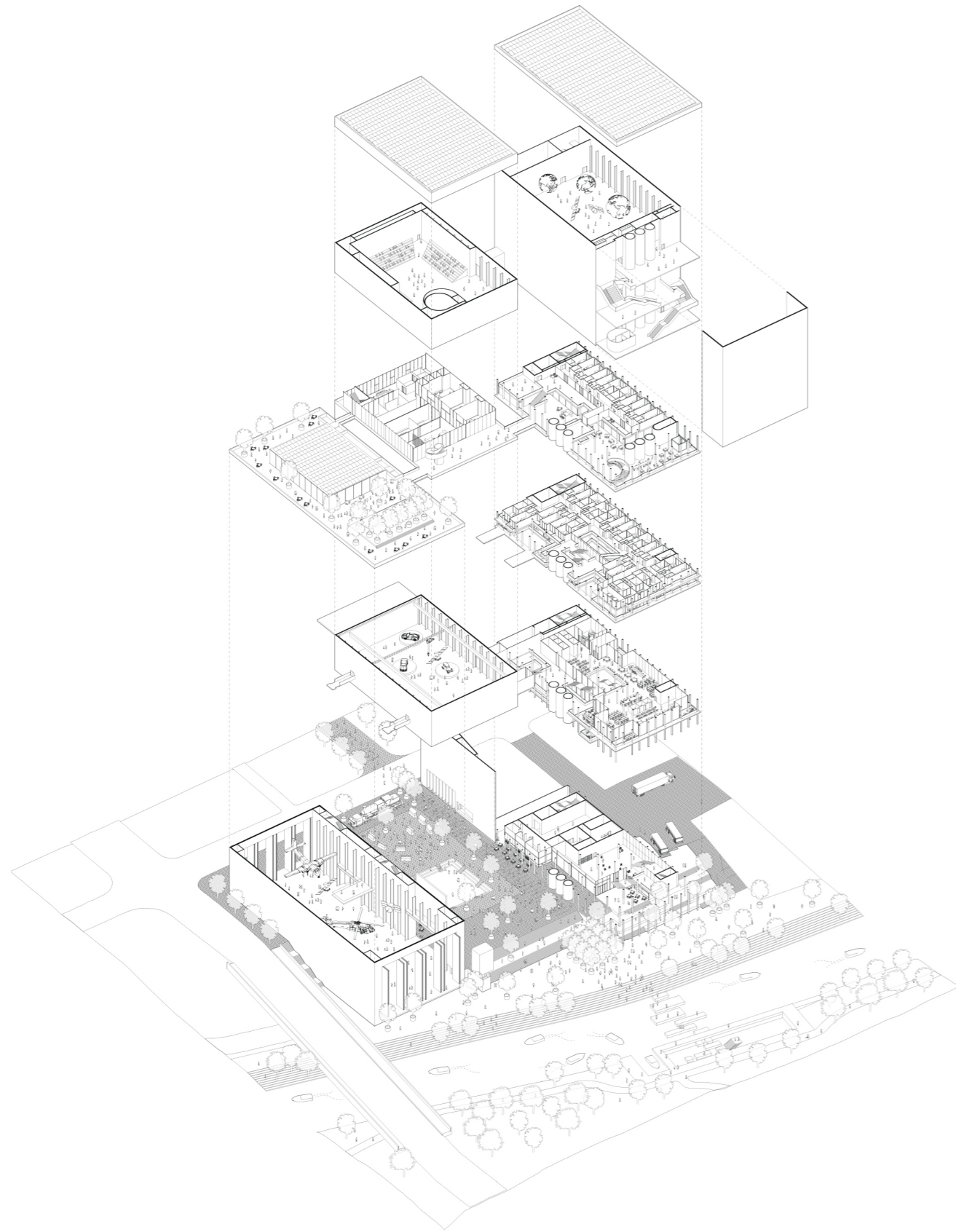
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- 2015 - 2018 Captain of the Sauerbruch Hutton football team
- 2013, 2014 Open City London, Accelerate Student Mentor
- 2010, 2012, 2013 Open House London / Junior Open House London, Volunteer
- 2011 - 2014 Pollard Thomas Edwards Student Internship Coordinator
- 2010 Junior Open House London, Volunteer
- 2007 - 2009 Captain of the SAWSA university football team
- 2003 - 2005 Captain of the Colaiste Iognaid high school football team

## REFERENCES

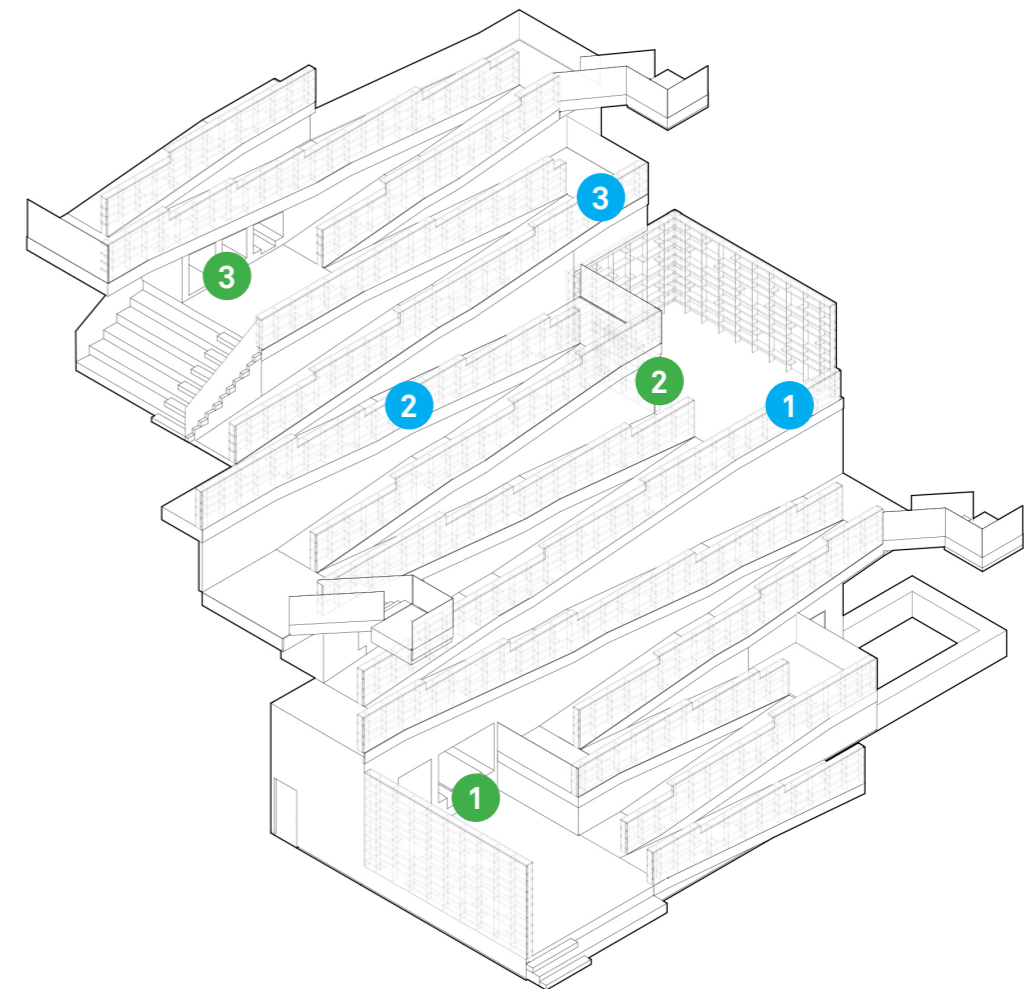
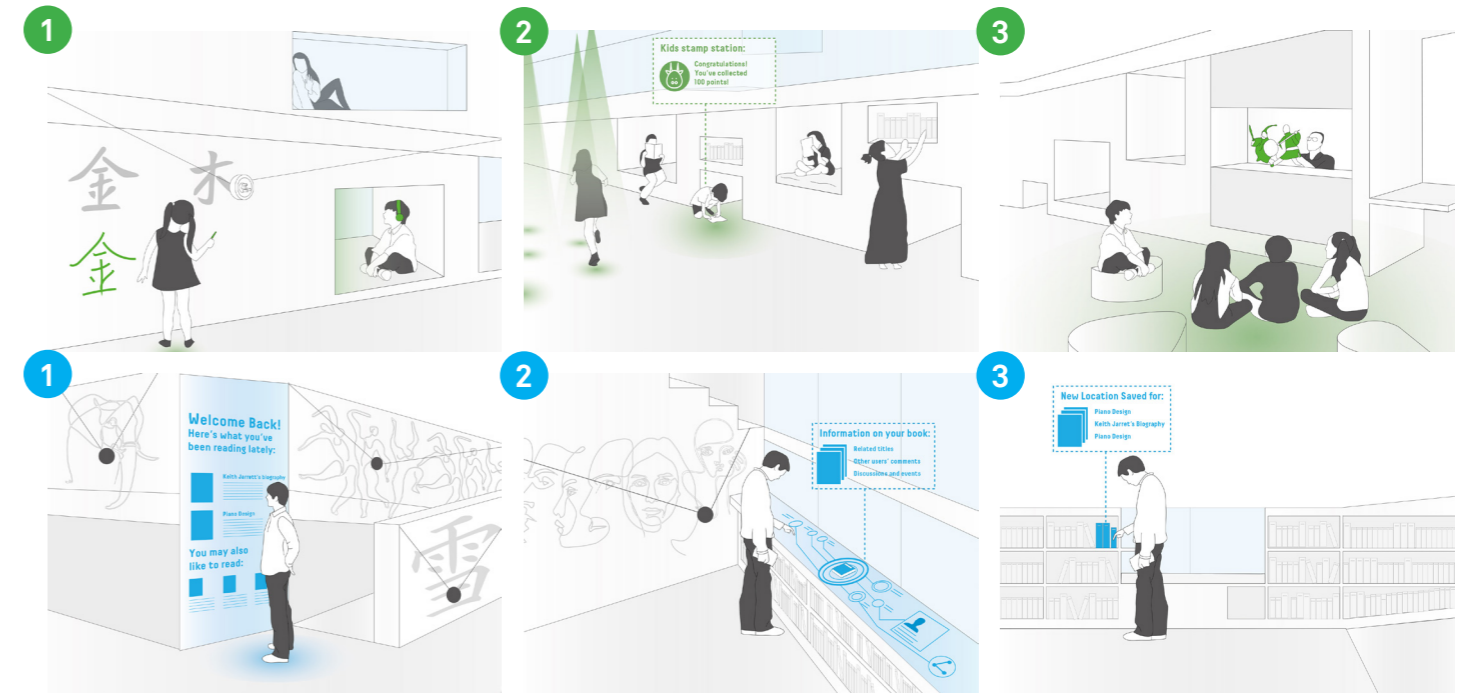
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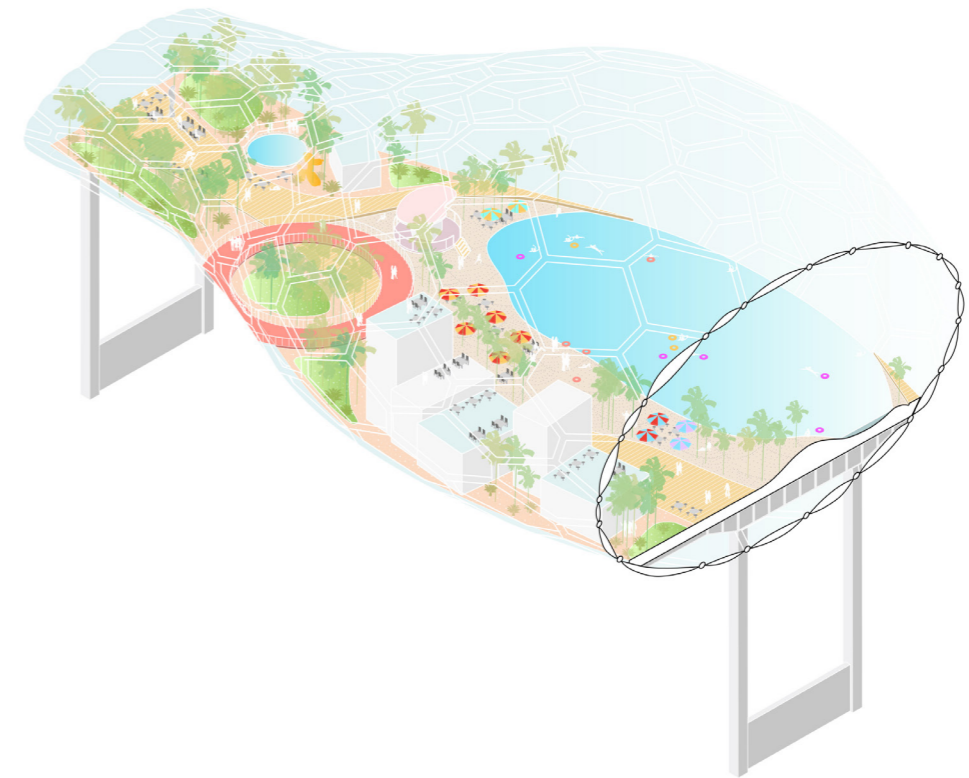
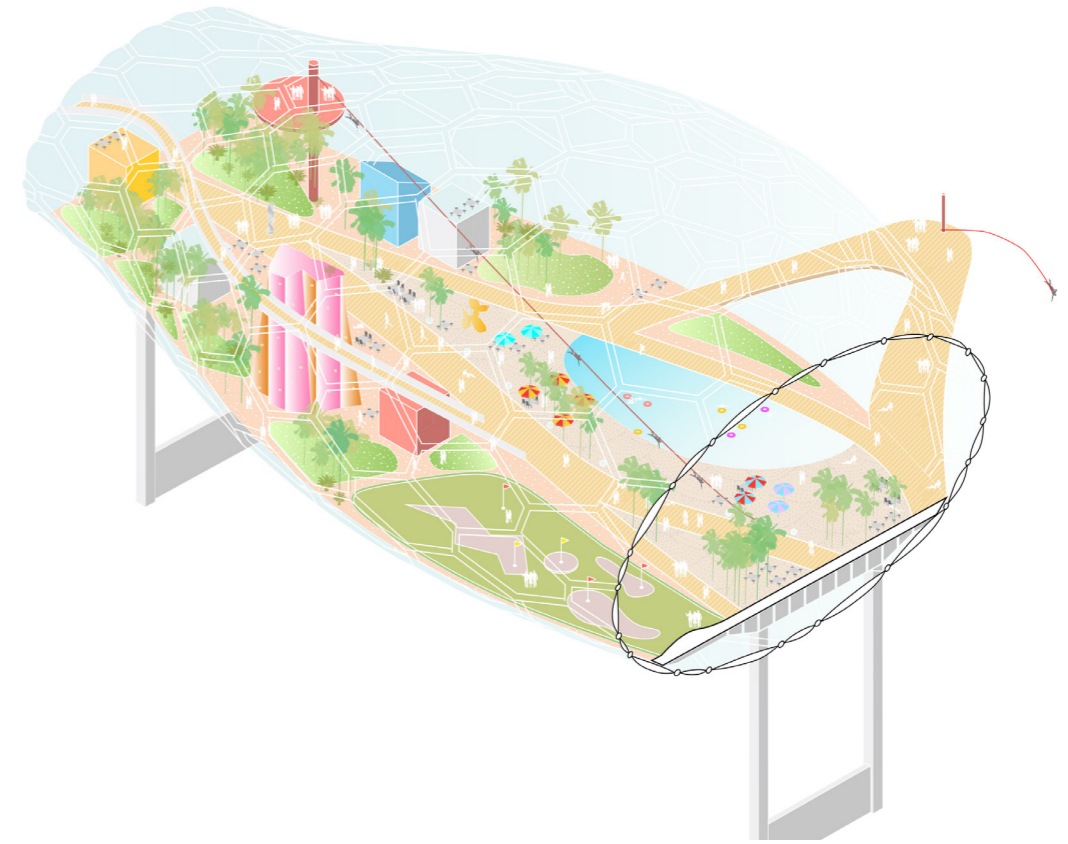
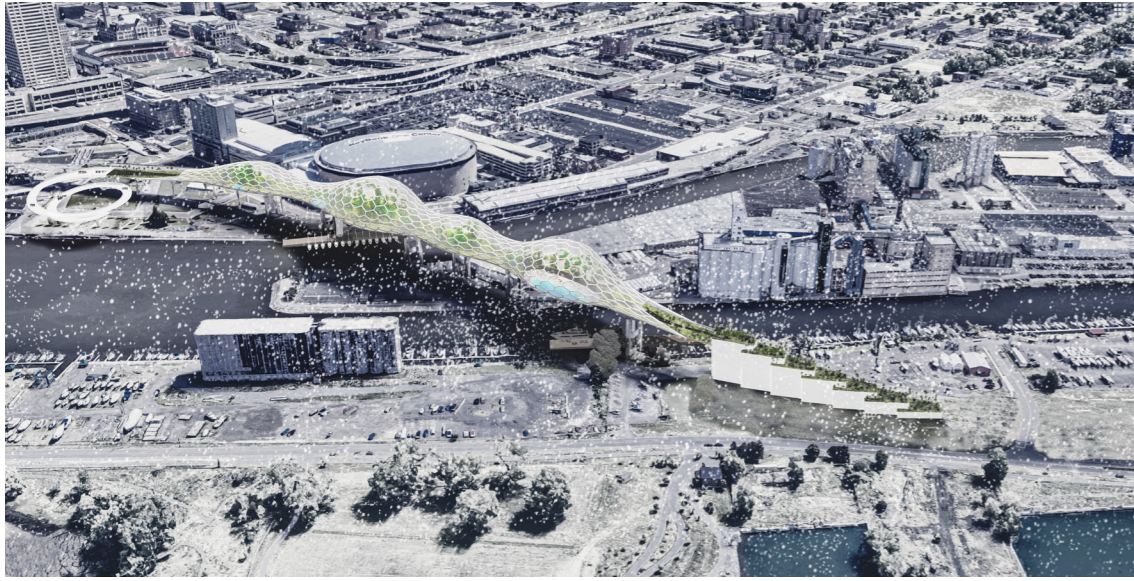
Competition design to relocate the MAAS Powerhouse Museum and create a new Museum of the Fourth Industrial Revolution in Parramatta, Sydney. The building is designed as a programmable platform, capable of radical adaptation to support a constantly evolving curation supported by on-demand large-format 3D printing and reconfigurable hybrid-space. In addition to 12,000sqm of exhibition space, the project also contains co-working, prototyping and workshop spaces allowing MAAS to become an active participant in the continuing evolution of our material culture.

Project management role leading the design team in New York and including coordination between Sydney and Torino. The role included point of contact with various consultants, and significant periods collaborating directly with BVN in Sydney.



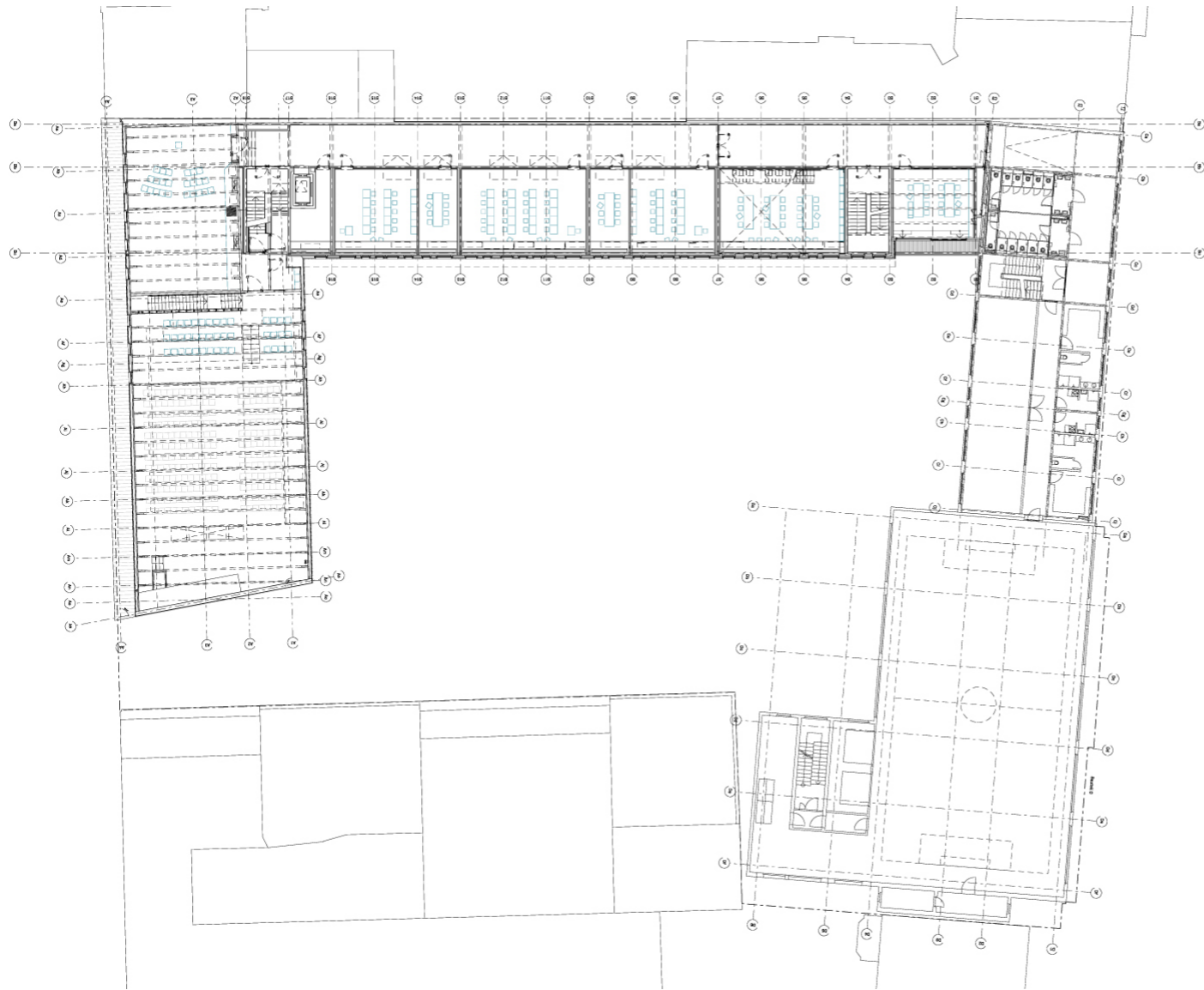
Construction of a new National Library building and archive in Tainan, Taiwan in collaboration with Bioarchitecture Formosana. CRA were strongly involved in the conceptual and narrative underpinning for the project, alongside specific responsibility for the main atrium and 'path-of-knowledge', the lecture theatre, the ancient book museum, the external boulevard and terraces and a series of small 'book-house' pavilions.

Tasks included project management, leading a six person design team with strong strategic and conceptual input, point of contact for the collaboration including multiple trips to Taipei and assistant to Carlo Ratti for a public lecture at the Taiwan National Library.



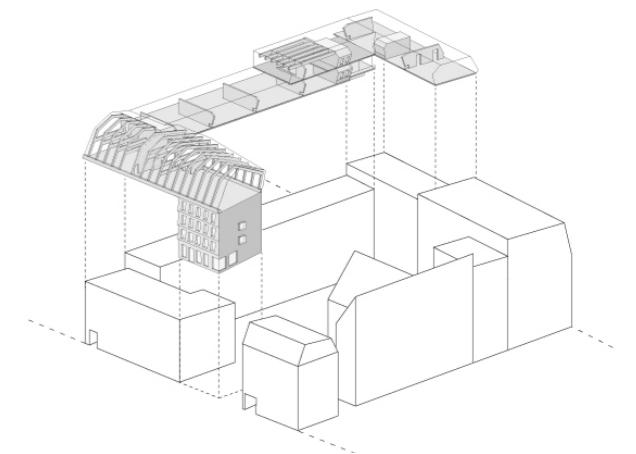
Competition for the innovative reuse of the obsolete Buffalo Skyway elevated viaduct in Downtown Buffalo. The proposal involved large scale demolition and re-integration into the urban fabric, with only the dramatic bridge section of the viaduct retained and transformed into a series of biospheres containing tropical plants, beaches, sporting facilities and other recreational amenities under the tagline 'a slice of Miami Beach in Buffalo'.

Tasks included conceptual design, coordination and supervision of the internal design team, production of boards and booklet and collaboration with external consultants.



Conversion and extension of an existing GDR-era Plattenbau to provide a theatre, library, music room, cafe, roof terrace and additional teaching and administration spaces. New-build structure in lightweight prefabricated timber to avoid reinforcements to the existing foundations. Concrete stair cores extended vertically and a new five-storey concrete frame building to Linienstrasse. Cladding in standing seam, pre-patinated copper.

Tasks included working on general layouts and detail drawings, preparing and submitting revised planning drawings, setting out of in-situ concrete and proofing construction drawings. In addition production of 3D digital models to test complex geometrical forms and junction points.

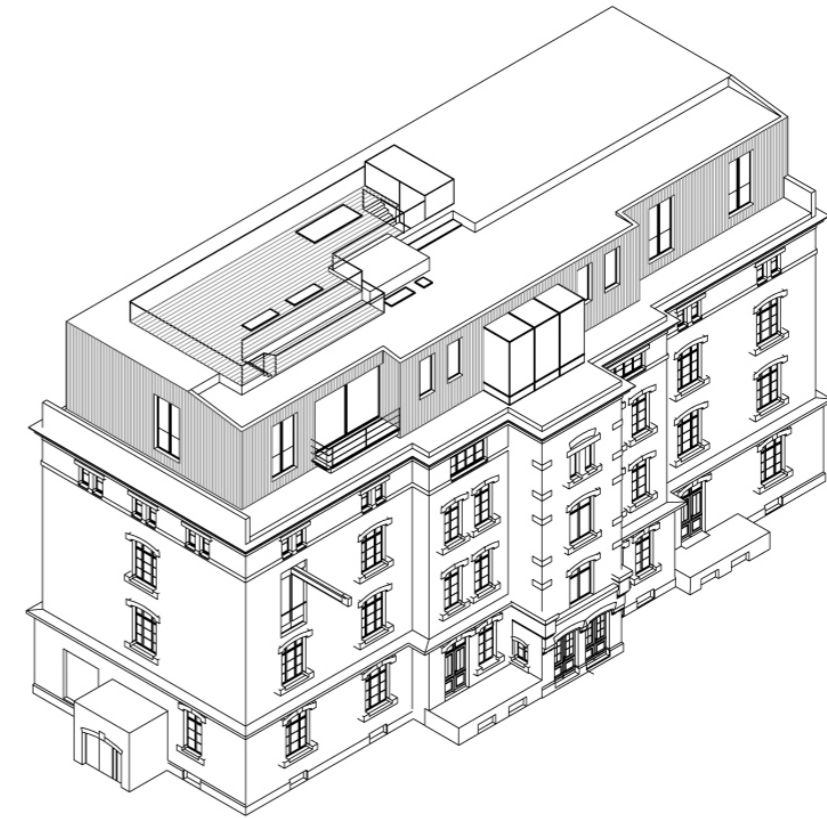
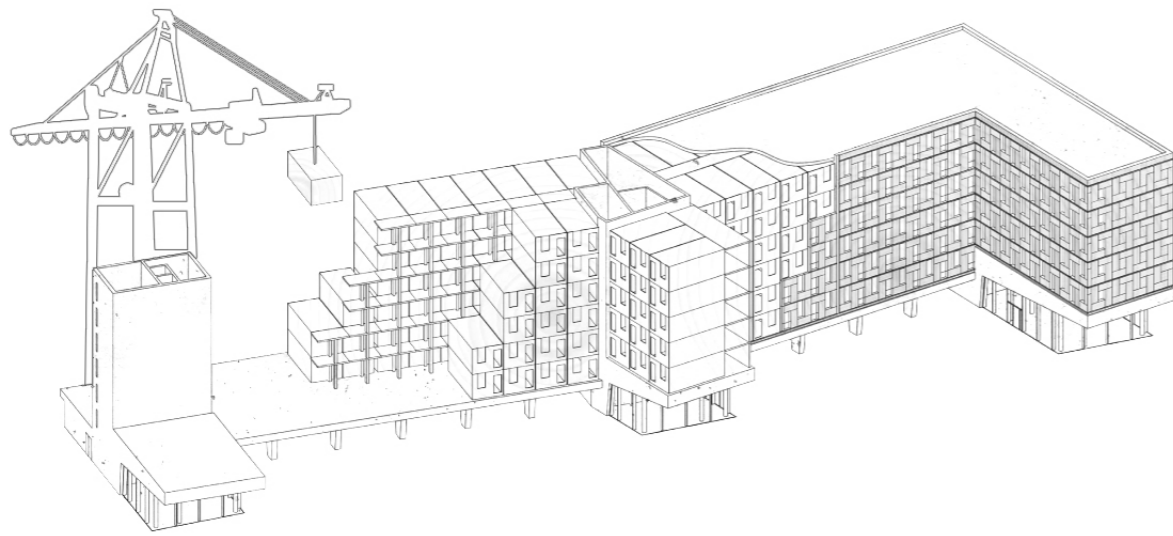




Museum of Modern Art in Mestre, Italy comprising conversion of an existing 16th century nunnery and construction of new gallery and theatre spaces as part of an arts campus masterplan connecting with Mestre Old Town

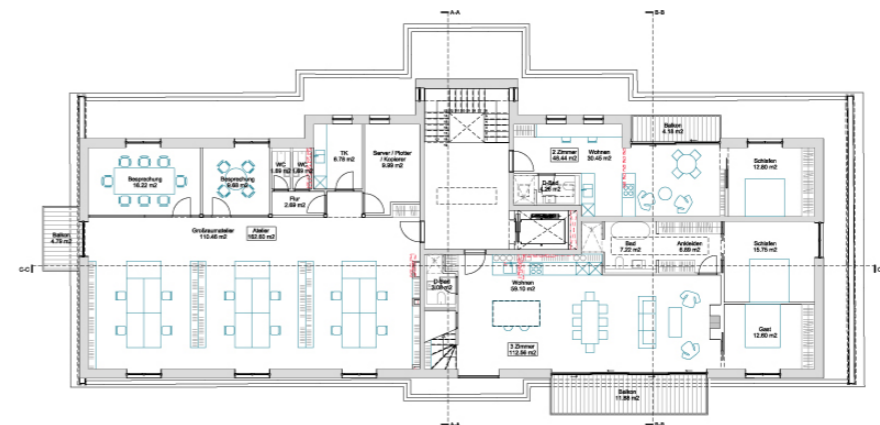
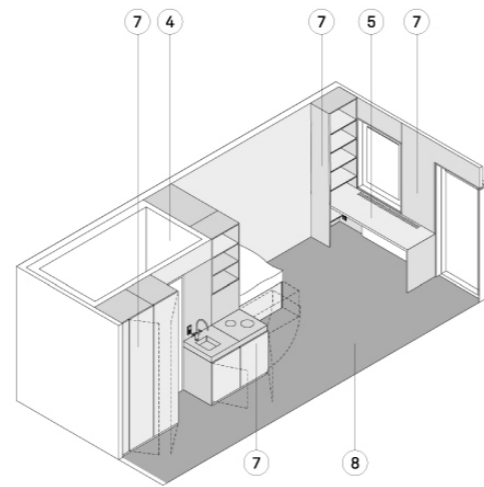
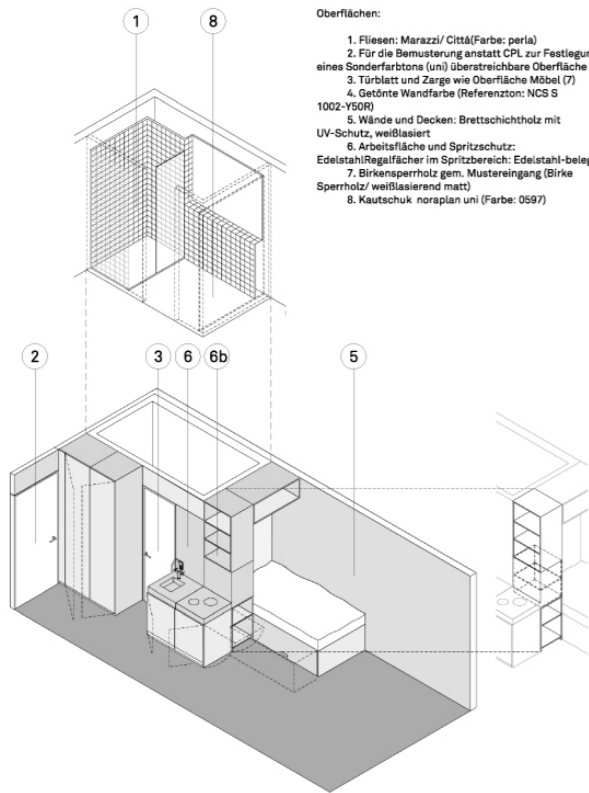
Tasks were primarily based around assessing the feasibility of including two additional existing buildings within the nominal site boundary and included producing urban masterplan diagrams, 3D images and presentations and brochures for the planning authorities and various project stakeholders.





Oberflächen:

1. Fliesen: Marazzi/ Citta(Farbe: perla)
2. Für die Bemusterung anstatt CPL zur Festlegung eines Sonderfarbtone (uni) überstreichbare Oberfläche
3. Türblatt und Zarge wie Oberfläche Möbel (7)
4. Getönte Wandfarbe (Referenzton: NCS S 1002-Y50R)
5. Wände und Decken: Brettschichtholz mit UV-Schutz, weißlasier
6. Arbeitsfläche und Spritzschutz: Edelstahl/Regalfächer im Spritzbereich: Edelstahl-belegt
7. Birkensperholz gem. Mustereingang (Birke Sperrholz/ weißlasierend matt)
8. Kautschuk norasplan uni (Farbe: 0597)



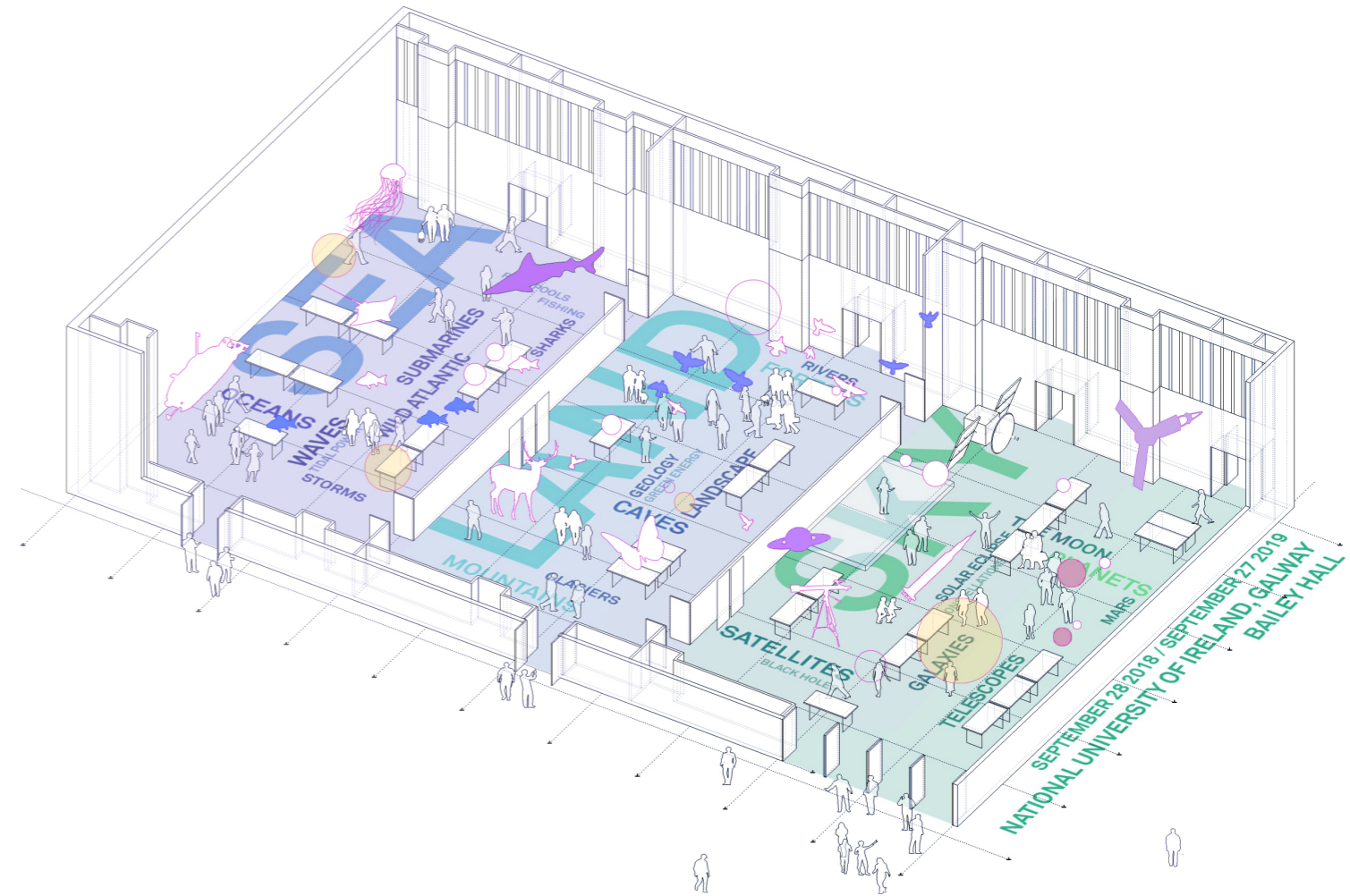
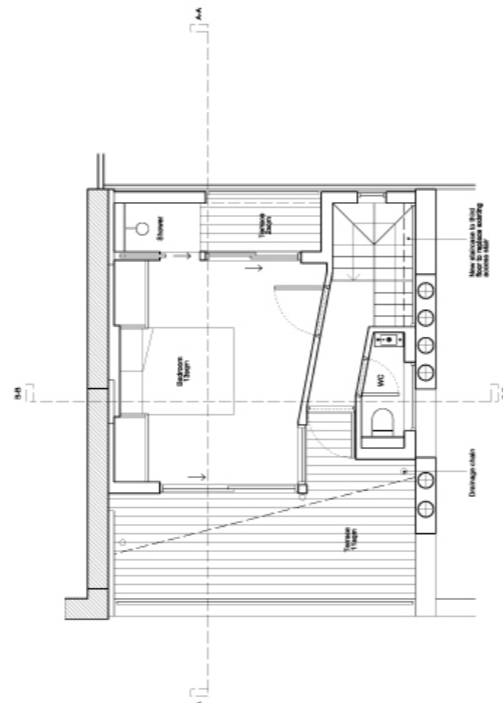
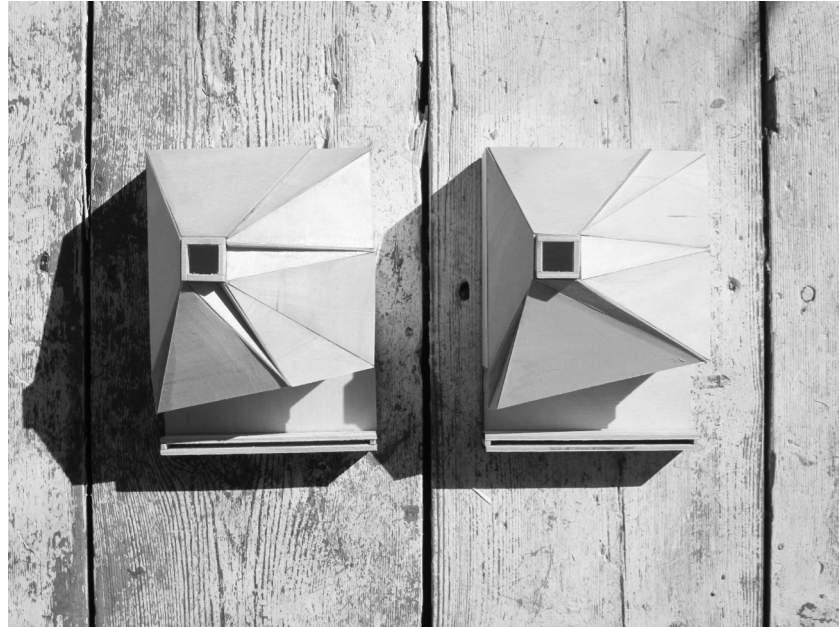
Student housing project in Wilhelmsburg, site of the International Building Exhibition in Hamburg. Apartments are prefabricated timber modules designed with a high degree of standardisation and factory finished complete with wet-room bathroom pods and built in furniture. The timber modules are stacked five high on a concrete 'tabula' containing all communal facilities at ground floor level, with lateral stability provided via the concrete stair cores.

Tasks included work on the general layouts; plans, sections and elevations, elevation studies in 2D and 3D, detail design, prefabricated module design and preparing documentation for planning.



Single storey rooftop extension to a listed 1902 former Prussian Military Uniform Factory, to house residential apartments and atelier / office space. Structural concept to use lightweight prefabricated timber and avoid reinforcement works to existing foundations.

Worked independently on this project with oversight from a team leader. Tasks included design and production of all 2D and 3D drawings, digital and analogue models and testing various massing and facade options. Working to interpret and comply with local building and city planning regulations and communication with client, structural engineer and surveyor.



## Over 10,000 Visitors Attend Sea2Sky Event

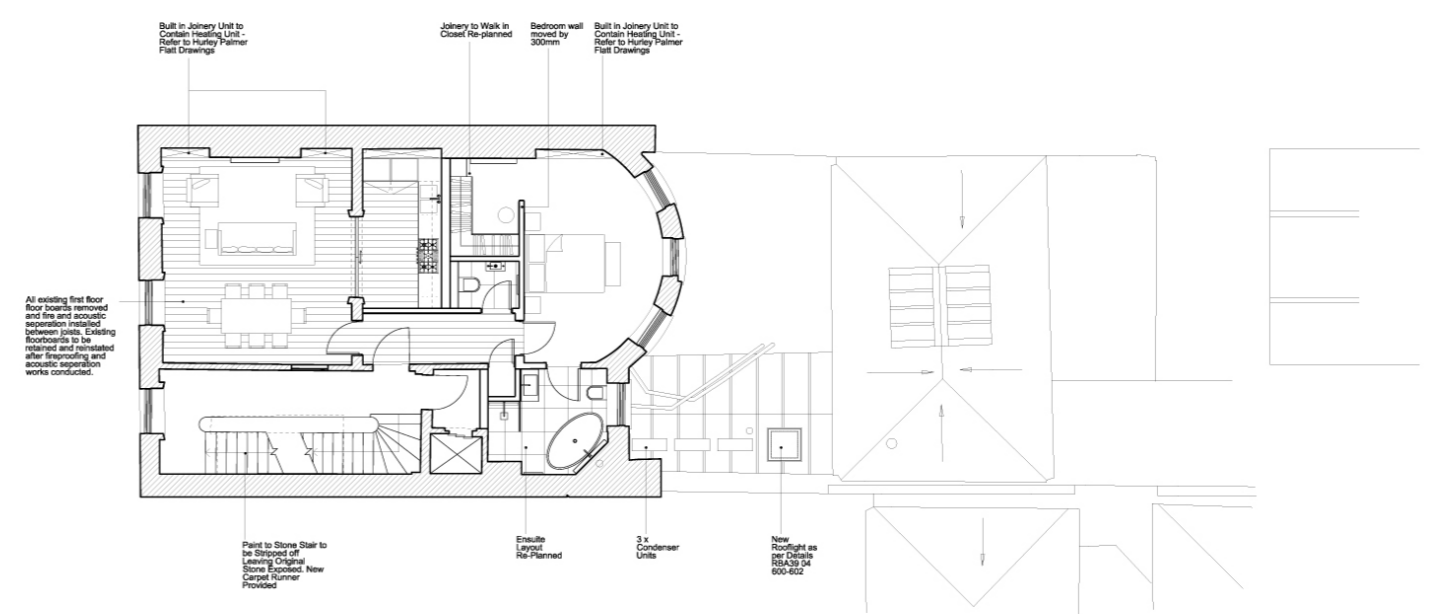
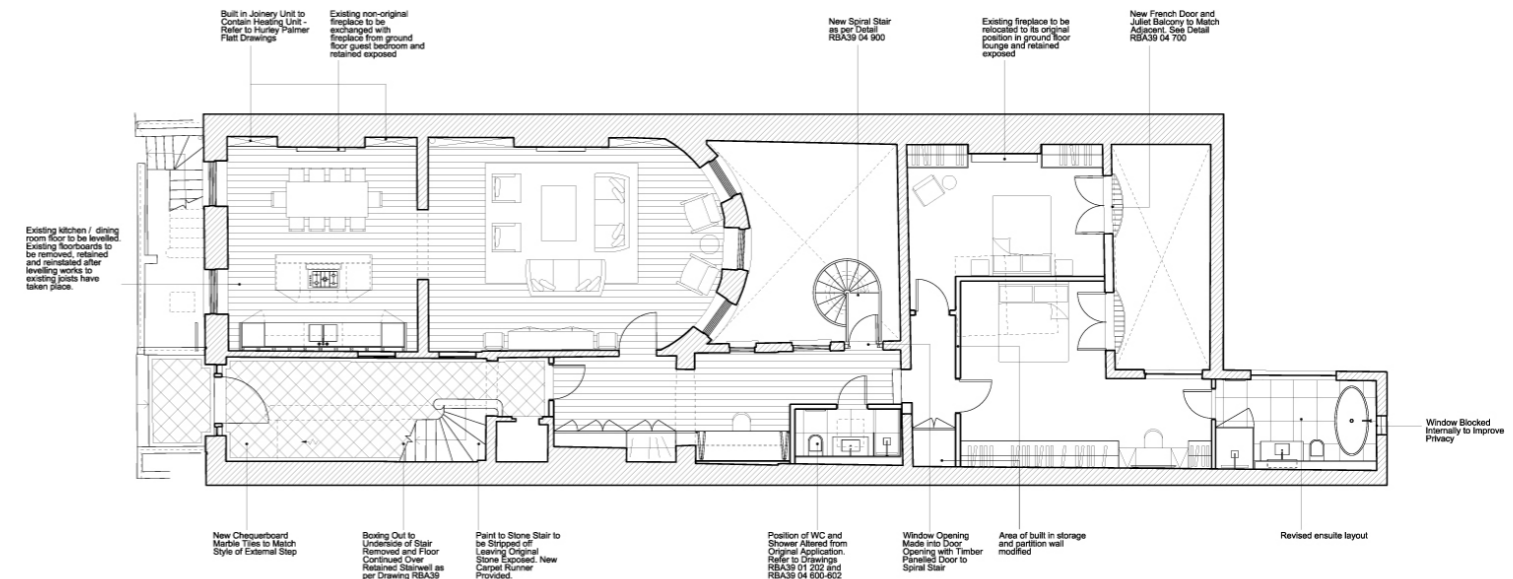
Over ten thousand visitors descended on Salthill in Galway on September 23rd for Ireland's first participation in European Researchers Night 'Sea2Sky'. Organised by NUI Galway in collaboration with the Marine Institute, Galway Atlantaquaria and other partners from the world of art and event management, this celebration of art, science and research ran in parallel with similar events across 320 cities in Europe. At Sea2Sky, hundreds of researchers from organisations in the Galway area displayed their work in the fields of Marine Science, Atmospheric and Astronomy.

Renovation and rooftop extension to a Georgian terraced house on Lower Marsh Street. Rooftop extension to be a red, folded metal 'pavilion' structure containing bedroom, shower, WC and two roof terraces with views across the Lower Marsh Street Market and Waterloo Rail Station. Works to be carried out alongside renovation of the entire property.

Tasks included producing plans, sections and elevations alongside digital and analogue 3D studies of various folding forms and rooflight options. Exploratory detail design for complex geometry roof structure and drainage. Prepare documentation for exploratory discussions with the local authority planning department.

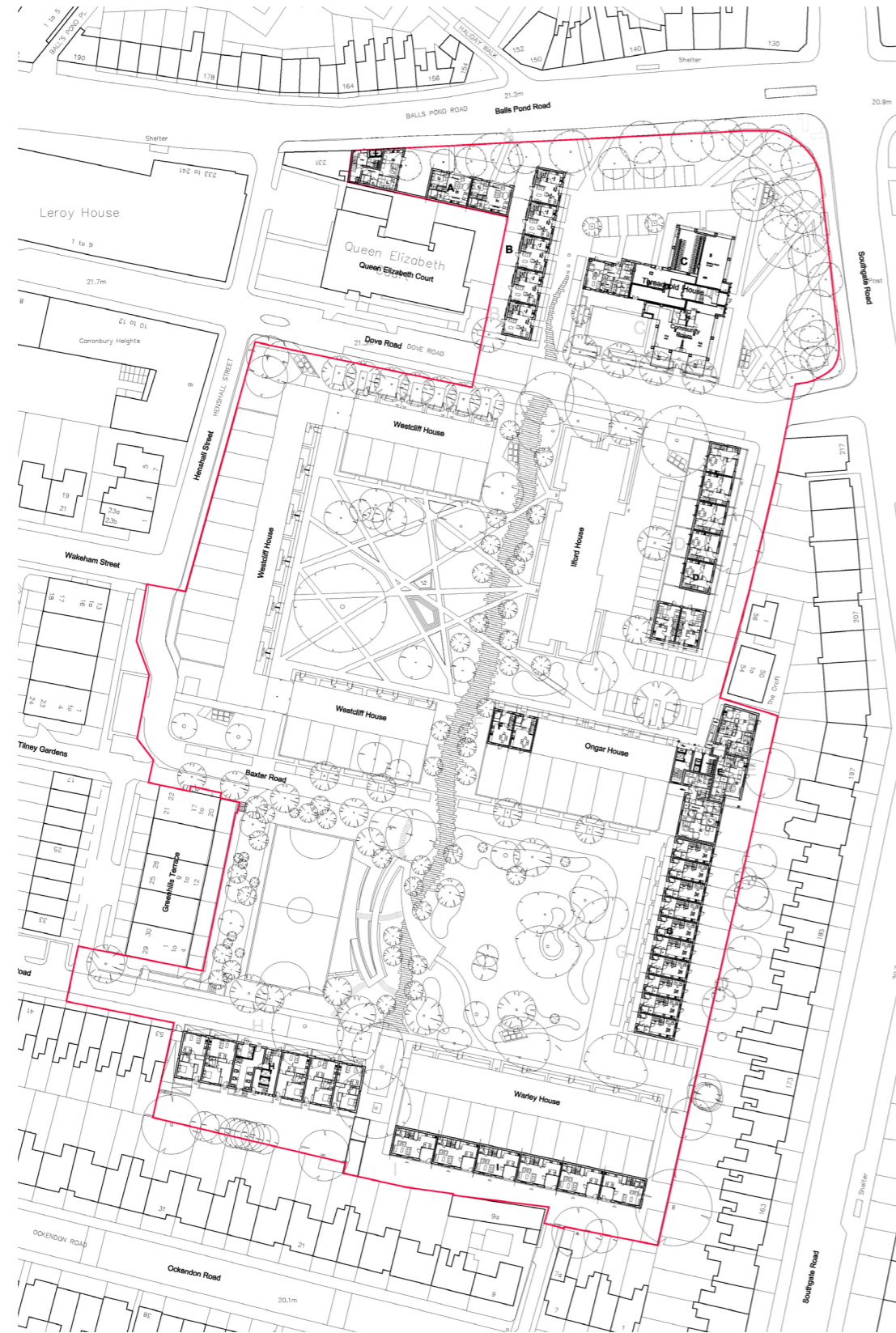
Exhibition graphic for the Sea to Sky science outreach exhibition 2017 and 2018 hosted by the Department of Physics, National University of Ireland, Galway. The exhibition aims to serve as a public outreach forum to raise awareness of the sciences and scientific research in the west of Ireland and involves a collaboration between private companies and university departments in the fields of marine and earth sciences, physics and astronomy.

Exhibition graphic used to support applications for funding from local, national and european agencies for 2017 and 2018



Reconfiguration and renovation of two listed Georgian townhouses in Marylebone to high-end luxury apartments. Grade II listing included both internal and external historical features and provided a set of rigid constraints that had to be taken into account during remodelling and remedial works, with a requirement for a sensitive approach to the existing fabric. Repair of structural issues such as degraded beams, water damage and bowing of the external facing brickwork was also included in the scope of works.

Tasks included producing all drawings for planning application and Design and Access statement, detail design, working with an interior design firm on the built-in furniture and finishes and meetings with the client, project manager and engineer. Also daily site visits and interaction with the construction team through strip-out and exploratory works.



Balls Pond Road (north) elevation - Houses 1:100  
 (garden fence not shown for clarity)



Balls Pond Road (north) elevation - Flat block 1:100



Flat block (east) elevation 1:100

Redevelopment of an existing 1960's estate in Islington London to increase residential densities and address problems with the existing built fabric including front-to-back relationships, under used communal spaces and replacing derelict garages with small scale single-family residential houses. The complex existing situation required the development of a wide range of bespoke housing typologies to address each individual situation. Key design concepts were the use of high quality materials, improved definition of public and private space, front doors to the street and careful attention to light, privacy and views for both the new and existing units. The project also included a third-age apartment complex to provide large wheelchair friendly units specifically designed for more elderly residents to allow them to remain self-sufficient and connected to the local community into old age.

Tasks included design and production of a wide range of innovative residential typologies, production of plans, sections and elevation of both existing and new-build elements of the scheme, producing 3D visualisations, site visits. Also liaison with surveyors, staff from the local authority and local residents, and planning and participation in local consultation events.





Harvard Gardens is phase II of the redevelopment of the Aylesbury Estate in Elephant and Castle. The new masterplan aims to break up the massing of the 1960's estate into a more human-scale, permeable urban fabric, while addressing issues around interstitial space, lack of front doors onto the street, passive surveillance, and difficult front-to-back relationships. These aims are to be achieved in conjunction with achieving increased residential densities across the estate.

The masterplan reinstates a traditional street pattern with buildings facing onto the street in a courtyard block layout with communal play and recreation facilities contained within internal semi-private courtyards. The site is bisected by a pedestrianised mews street lined with small scale family houses, while the larger apartment blocks are arranged to face the busier roads. A simple, homogenous palette of robust, high quality materials; brick, green and white tiles and colourful powder-coated metal balconies was used across the scheme.

Tasks included working on general layout drawings with an emphasis on facade design and materiality. Also worked on apartment and block design, 3D modelling and producing information and brochures for planning and tender. This project formed one half of my case study for my part III ARB diploma.





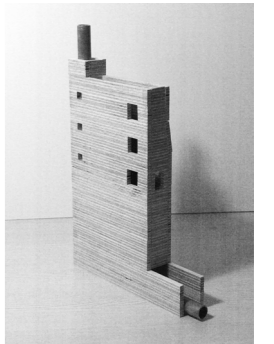
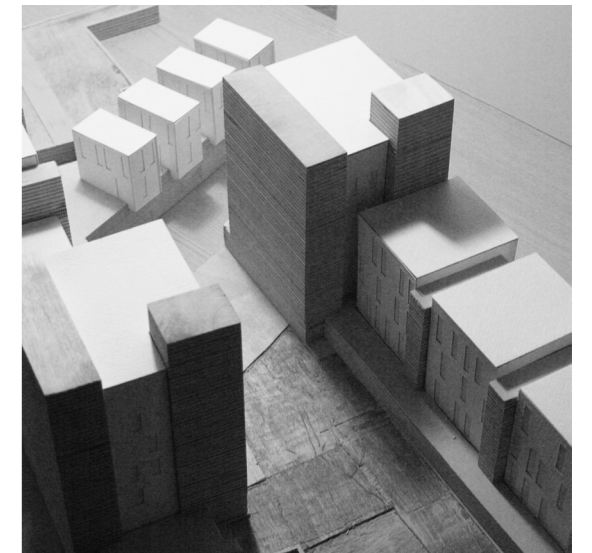
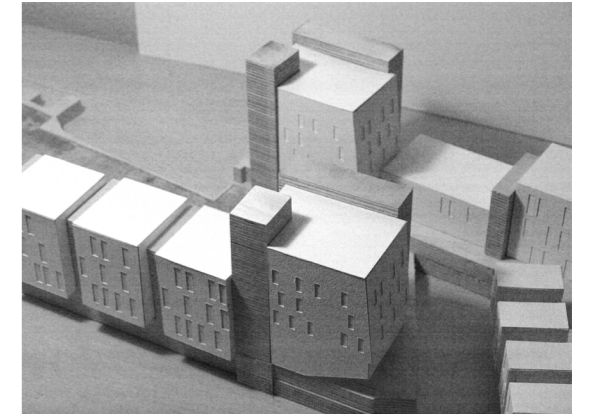
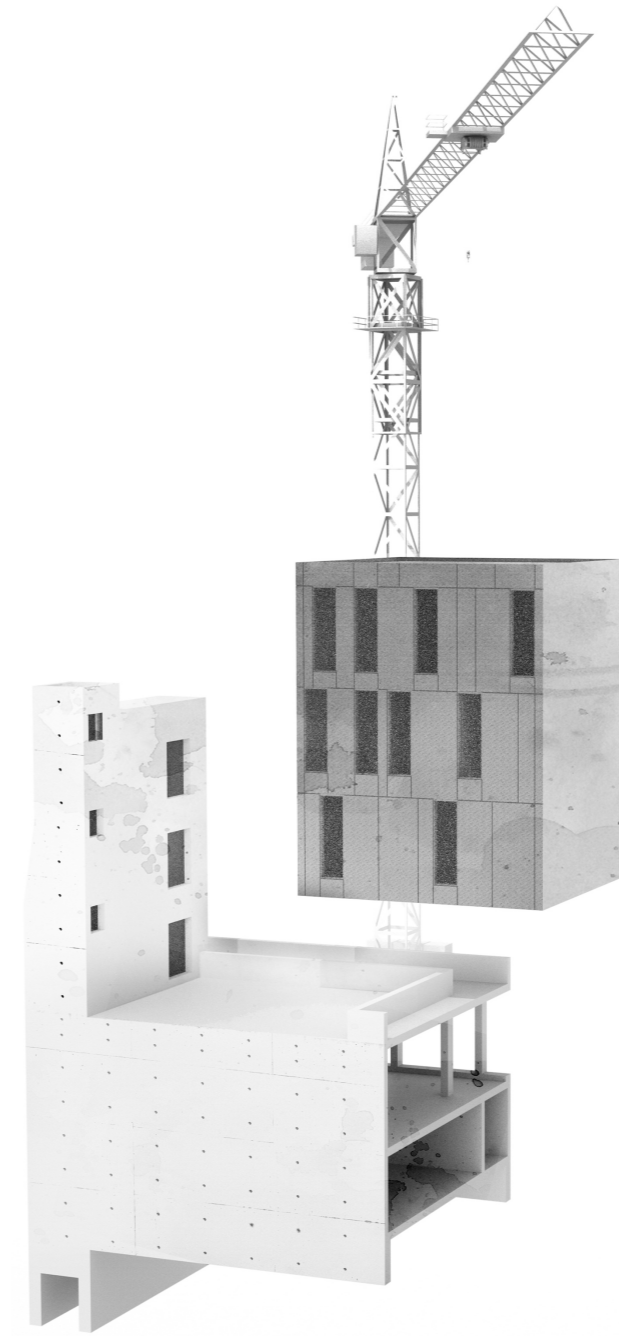
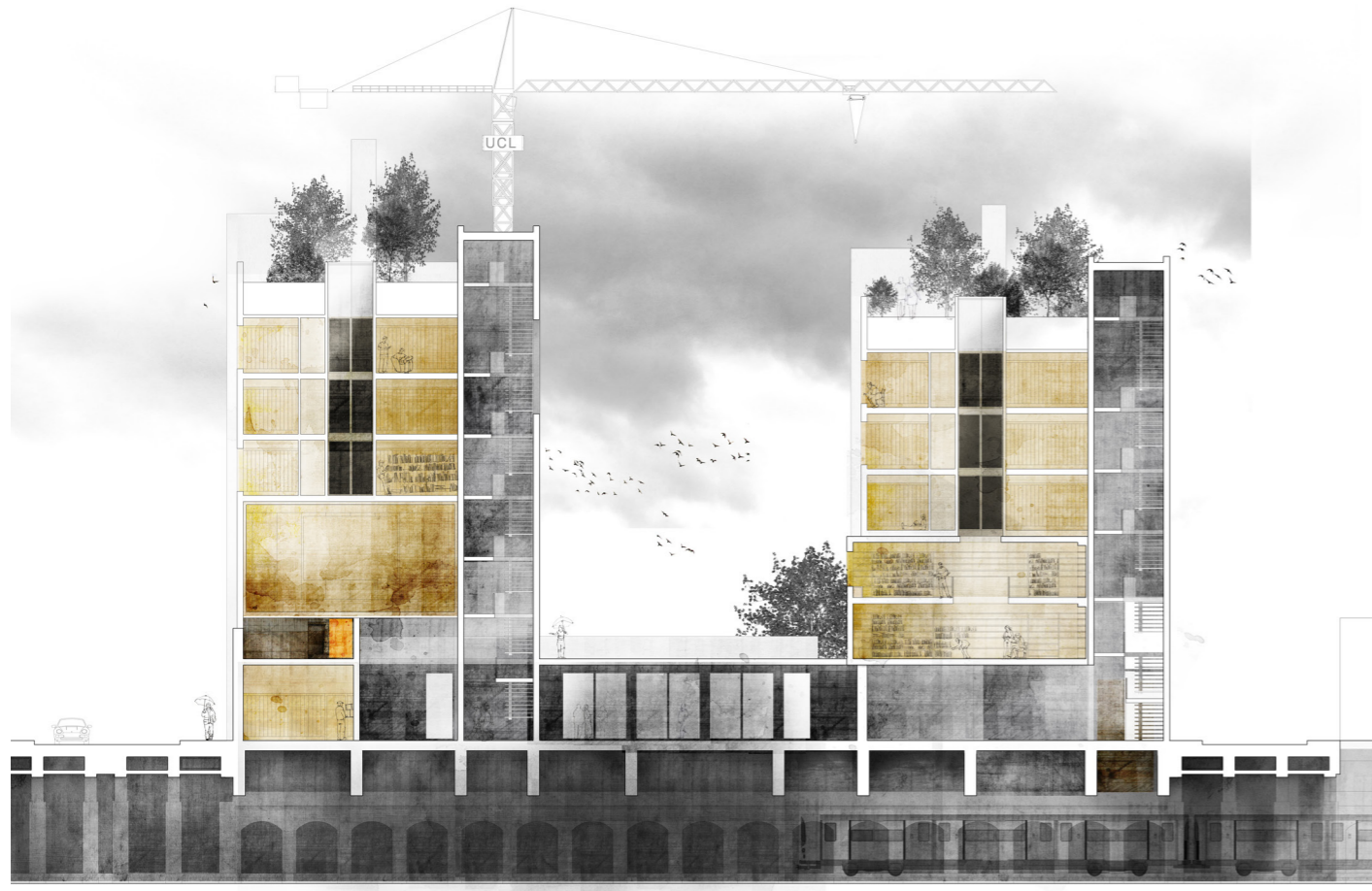
Redevelopment of the former St Lukes hospital site in Muswell Hill to provide 173 new homes comprising private apartments, mixed-tenure apartments for the over 55, maisonettes and townhouses alongside a semi-independent co-housing scheme. The topography of the site is complex with a large number of mature trees to be retained and a drop of almost 11m from north to south. In addition there are three listed historical buildings to be converted and incorporated into the development masterplan.

Tasks included working on all plans, sections and elevations with specific responsibility for the terraced family housing to the north of the site and conversion of Roseneath House. Preparing information for design review, planning meetings and public consultations. 3D modelling, producing basic renders for use in planning and consultation documentation. Producing 3D models to test detail design of balconies, canopies and other design elements.



A fast feasibility scheme for a former industrial site in Hackney Wick, London. The brief involved an assessment of the quantity of residential accommodation that could be realistically achieved on the site along with initial ideas around form, massing and materiality. The anchor to the Pollard Thomas Edwards scheme was a former high precision machining workshop situated at the corner of the site. This building was retained and extended with a folded metal facade rising above the existing brickwork to provide a strong, distinctive corner as a signpost to the larger development.

My task for this project was to work on the form, massing and materiality of the corner building, and to produce quick renders to express our thoughts clearly to the client and local authority.

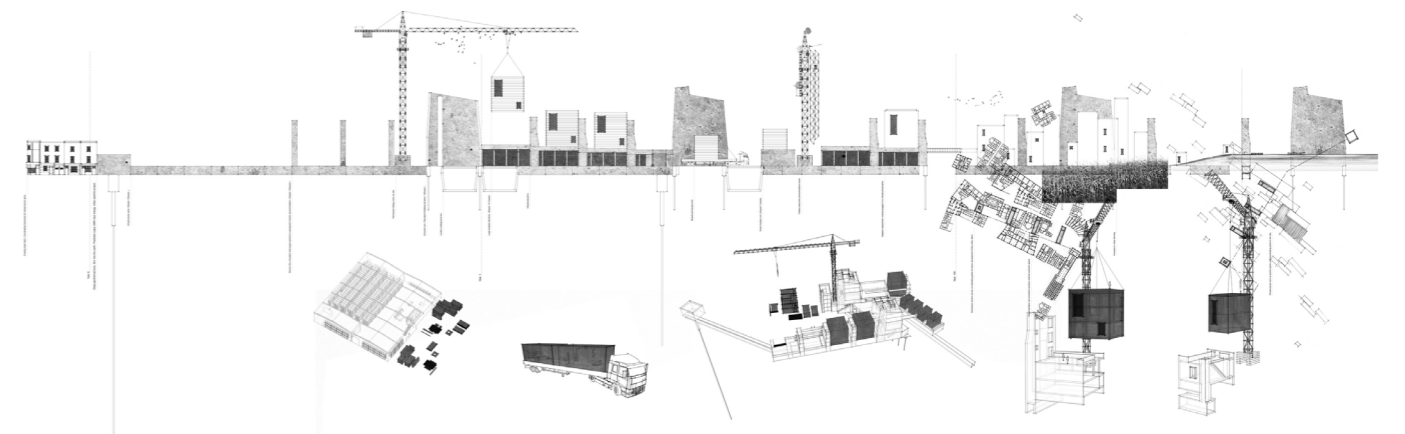


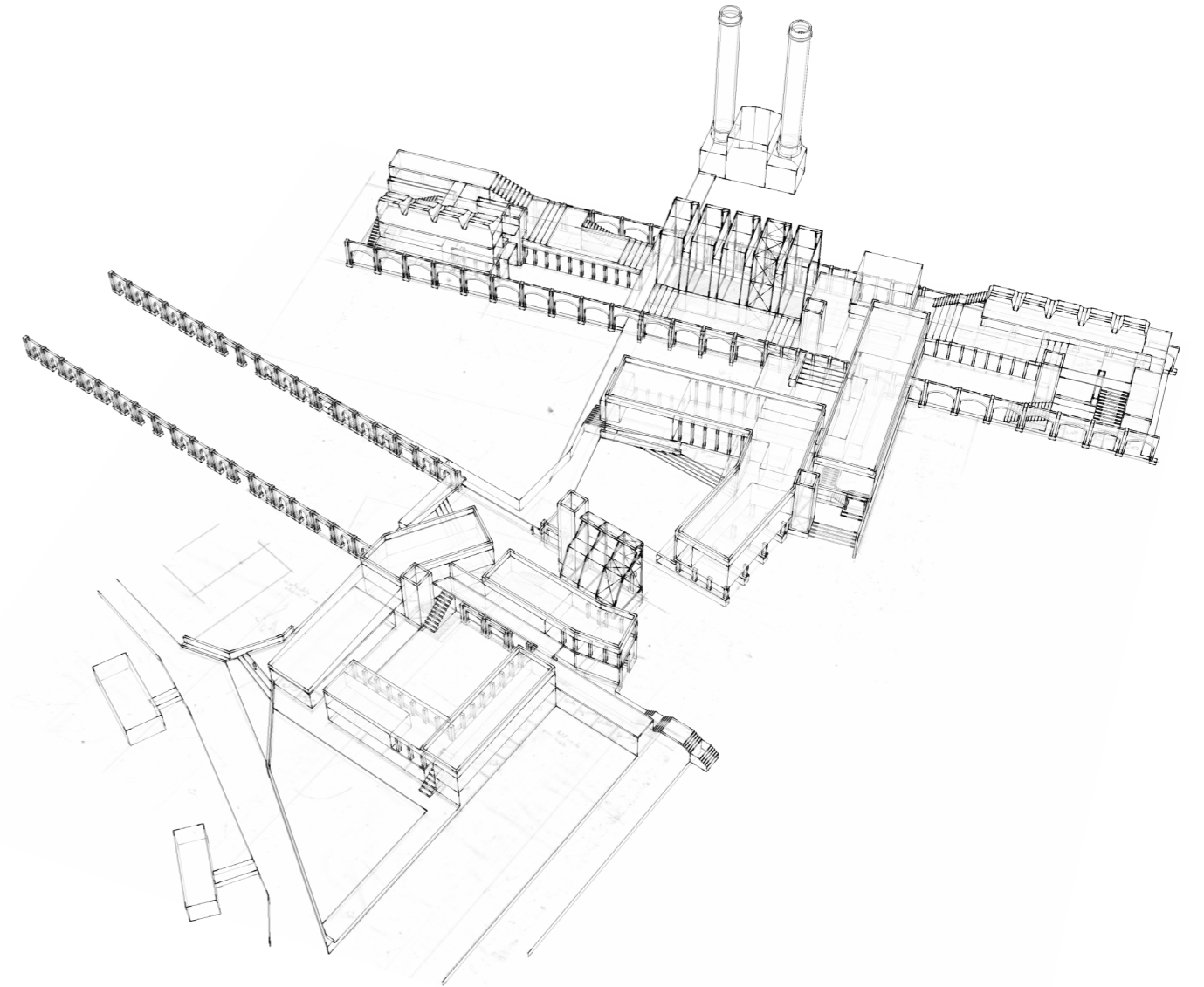
The project is a UCL research centre for emerging sciences situated in Camden, London. The brief requires a variety of high quality, highly serviced laboratory spaces capable of quick and frequent adaptation to respond to the latest technological advances. The building must also respond to the human requirement for place and identity by providing quality spaces capable of supporting and encouraging communication and cross-fertilisation between research disciplines. The thesis attempts to resolve the apparent contradiction between the flexible but essentially place-less functionality of an 'Archigram' plug-in system and the civic need for place and accumulated memory within the city.

The building consists of a heavy, permanent, concrete plinth embedded in the site. This servant zone responds to the existing urban fabric and contains the service spine and circulation as well as workshops, support spaces and static accommodation.

The flexible laboratory spaces above consist of lightweight steel frame pavilions. The volumetric pods are prefabricated, transported to site and assembled before being craned into place and connected to the infrastructural network. This 'plug-and-play' system optimises the quality of the factory-finished laboratory units, minimises disruption and down-time for the facility and allows for rapid expansion, contraction and modification as required.

While the laboratory spaces are designed to be transient and short-term, the polyvalent plinth element is designed to outlast the functional life of the building, supporting evolving functions while retaining a continuous accumulated memory of inhabitation embedded within the urban fabric.





My degree project was situated in a large, vacant industrial site on the Grand Canal in the heart of Murano, a small island situated in the Laguna Veneto in the north-east of Italy. The existing derelict factory and warehouse structures form part of a massive industrial island situated within, but segregated from, the fine medieval tissue of the old-town.

The brief involved reconfiguring this space to provide maternity and respite care facilities and tackle the physical, emotional and spiritual issues presented by the very first and last stages of life.

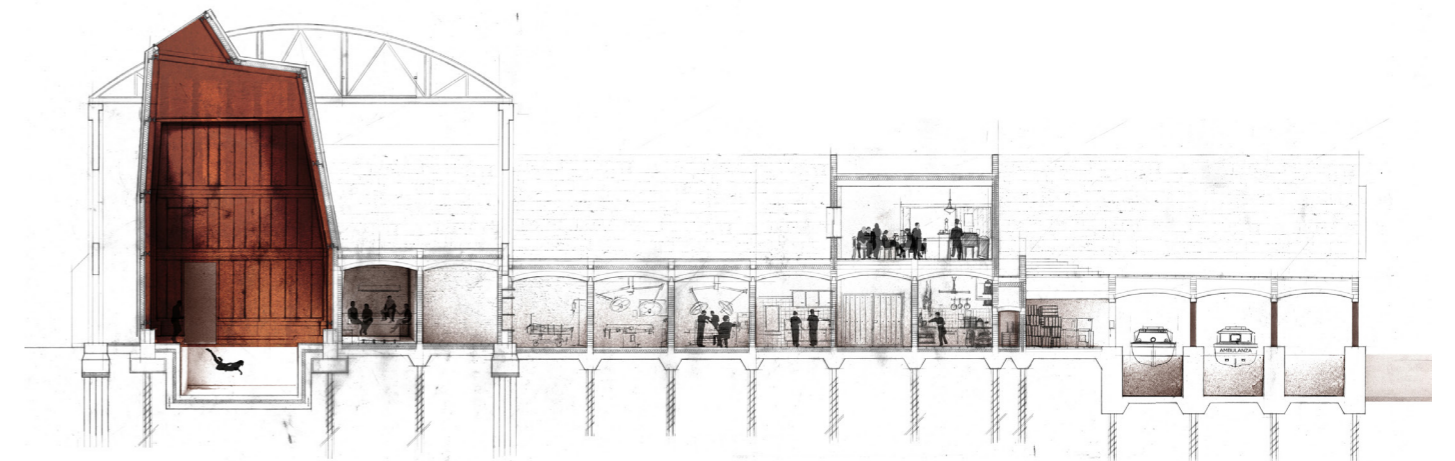
The site presented a range of challenges, both in terms of scale and complexity as well as questioning how to respond to the powerful character of the existing urban fabric. The size of the site necessitates planning on an urban scale, and my initial design moves involved penetrating the fortress perimeter and re-establishing routes linking to the adjacent communities to allow urban life to encroach into the public areas of the scheme. This move, combined with facilities like communal kitchens, and accommodation with private terraces looking onto lively spaces is designed to combat the isolation that is so often a feature of hospice care.

At the building scale there are a number of driving concepts designed to tie the disparate aspects of the site and brief together into a coherent whole;

There is a strong hierarchy of privacy, allowing city life to infiltrate and activate the public spaces, while maintaining the necessary privacy for intimate or emotional moments.

There is a clearly defined tectonic strategy, with new accommodation housed in simple linear buildings in reclaimed brick while key spaces such as the chapel and swimming pool are housed in monumental weathered steel shells, referencing the importance of the sea and shipbuilding to this island community. This strategy is designed to improve legibility and way-finding across the site, with the warehouse walls and steel shells acting as points of orientation.

The plinth is used as an organisational element housing ancillary and servant spaces and the existing warehouse walls are retained and repaired, but left open to the elements, acting as a second skin for the accommodation housed within.





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